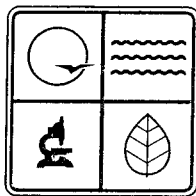


STATE OF MISSOURI

DEPARTMENT OF NATURAL RESOURCES

MISSOURI AIR CONSERVATION COMMISSION



PERMIT TO CONSTRUCT

Under the authority of RSMo 643 and the Federal Clean Air Act the applicant is authorized to construct the air contaminant source(s) described below, in accordance with the laws, rules and conditions as set forth herein.

Permit Number: **052006-020** Project Number: **2006-03-052**
Owner: **Norris Asphalt Paving Co.** **PORT-0512**
Owner's Address: **P. O. Box 695, Ottumwa, IA 52501**
Installation Name: **Norris Aggregates Product Co.**
Installation Address: **219 East 3rd Street, Cameron, MO 64429**
Location Information: **Andrew County, S18/19, T59N, R35W**

Application for Authority to Construct was made for:

The modification of an existing portable rock-crushing plant. The rock-crushing plant is a Generic Plant. Rock is processed through no more than three (3) crusher(s), two (2) screen(s), ten (10) conveyor(s), and ten (10) bin(s). The rock-crushing plant has a maximum hourly design rate (MHDR) of 250 tons per hour (tph). Best Management Practices will be used to control fugitive emissions from haul roads, storage piles, and vehicular activity areas. This review was conducted in accordance with Section (6), Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*.

☐ Standard Conditions (on reverse) are applicable to this permit.

☒ Standard Conditions (on reverse) and Special Conditions (listed as attachments starting on page 2) are applicable to this permit.

MAY 31 2006

EFFECTIVE DATE


DIRECTOR OR DESIGNEE
DEPARTMENT OF NATURAL RESOURCES

STANDARD CONDITIONS:

Permission to construct may be revoked if you fail to begin construction or modification within two years from the effective date of this permit. Permittee should notify the Air Pollution Control Program if construction or modification is not started within two years after the effective date of this permit, or if construction or modification is suspended for one year or more.

You will be in violation of 10 CSR 10-6.060 if you fail to adhere to the specifications and conditions listed in your application, this permit and the project review. Specifically, all air contaminant control devices shall be operated and maintained as specified in the application, associated plans and specifications.

You must notify the Air Pollution Control Program of the anticipated date of start up of this (these) air contaminant source(s). The information must be made available not more than 60 days but at least 30 days in advance of this date. Also, you must notify the Department of Natural Resources Regional Office responsible for the area within which you are located within 15 days after the actual start up of this (these) air contaminant source(s).

A copy of this permit and permit review shall be kept at the installation address and shall be made available to Department of Natural Resources' personnel upon request.

You may appeal this permit or any of the listed Special Conditions as provided in RSMo 643.075. If you choose to appeal, the Air Pollution Control Program must receive your written declaration within 30 days of receipt of this permit.

If you choose not to appeal, this certificate, the project review, your application and associated correspondence constitutes your permit to construct. The permit allows you to construct and operate your air contaminant source(s), but in no way relieves you of your obligation to comply with all applicable provisions of the Missouri Air Conservation Law, regulations of the Missouri Department of Natural Resources and other applicable federal, state and local laws and ordinances.

The Department of Natural Resources has established the Outreach and Assistance Center to help in completing future applications or fielding complaints about the permitting process. You are invited to contact them at 1-800-361-4827 or (573) 526-6627, or in writing addressed to Outreach and Assistance Center, P.O. Box 176, Jefferson City, MO 65102-0176.

The Air Pollution Control Program invites your questions regarding this air pollution permit. Please contact the Construction Permit Unit at (573) 751-4817. If you prefer to write, please address your correspondence to the Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102-0176, attention Construction Permit Unit.

2006-03-052
PORT-0512

Norris Asphalt Paving Co.

P. O. Box 695, Ottumwa, IA 52501

Norris Aggregates Product Co.

3 miles North of Ravenwood near Hwy C, Ravenwood, MO 64479

Nodaway County (S31, T65N, R33W)

The modification of an existing portable rock-crushing plant. The rock-crushing plant is a Generic Plant. Rock is processed through no more than three (3) crusher(s), two (2) screen(s), ten (10) conveyor(s), and ten (10) bin(s). The rock-crushing plant has a maximum hourly design rate (MHDR) of 250 tons per hour (tph). Best Management Practices will be used to control fugitive emissions from haul roads, storage piles, and vehicular activity areas. This review was conducted in accordance with Section (6), Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*.

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Project No.	2006-03-052

GENERAL SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

The special conditions listed in this permit were included based on the authority granted the Missouri Air Pollution Control Program by the Missouri Air Conservation Law (specifically 643.075); by the Missouri Rules listed in Title 10, Division 10 of the Codes of State Regulations (specifically 10 CSR 10-6.060); by 10 CSR 10-6.060 paragraph (12)(A)10. "Conditions required by permitting authority"; by 10 CSR 10-6.010 "Ambient Air Quality Standards" and 10 CSR 10-6.060 subsections (5)(D) and (6)(A); and by control measures requested by the applicant, in their permit application, to reduce the amount of air pollutants being emitted, in accordance with 10 CSR 10-6.060 paragraph (6)(E)3. Furthermore, one or more of the Subparts of 40 CFR Part 60, New Source Performance Standards (NSPS), applies to this installation.

1. Generic Plant Designation and Maximum Combined Hourly Design Rate
Norris Aggregates Product Company's portable rock-crushing plant (PORT-0512) has been designated to be a Generic Plant Operation. The combined Maximum Hourly Design Rate (MHDR) for the primary unit(s) and each of the following generic equipment types shall not exceed the maximum installation capacities listed below at any time the installation is in operation.

Equipment Type	Maximum Combined Hourly Design Rate	Maximum Number of Units
Primary Unit(s) (Primary Crusher)	250 tons per hour	1
Crusher(s) including primary crusher	750 tons per hour	3
Conveyor(s), Stacker(s)	2500 tons per hour	10
Screen(s)	500 tons per hour	2
Storage Bin(s)	2500 tons per hour	10
Diesel Engine(s)	1000 hp	1

2. Generic Plant Equipment Identification Requirement
 - A. Within fifteen (15) days of actual startup, Norris Aggregates Product Company shall submit to the Air Pollution Control Program's (APCP) Permitting Section, and the Kansas City Regional Office, the following information for the generic plant (PORT-0512):
 - 1.) A Master List of all equipment that will be permitted for use with the generic plant (PORT-0512). This master list shall include the following information for each piece of equipment. The manufacturer's name, the model number, the serial number, the actual MHDR, the date of manufacture, any company-assigned equipment number, and any other additional information such as sizes and/or dimensions that is necessary to uniquely identify all of the equipment.
 - 2.) A list of the core equipment that will always be utilized with the generic plant (PORT-0512). The core equipment associated with the generic plant shall include at least one (1) primary unit. Core equipment items are rate-controlling components of the process flow (e.g., primary crusher and/or primary screen). The maximum hourly design rate of the generic plant is defined to be the sum of the MHDR(s) of the core equipment. Any arrangement of the generic plant's equipment must be such that the core equipment is not bypassed in the process flow.
 - 3.) A determination on the applicability of 40 CFR Part 60, Subpart "OOO", *Standards of Performance for Nonmetallic Mineral Processing Plants*, for each piece of equipment. Norris Aggregates Product Company shall indicate whether or not each piece of equipment is subject to Subpart "OOO" and provide the justification for this applicability determination.
 - 4.) Norris Aggregates Product Company shall submit notification to the Air Pollution Control Program and the Regional Office if the core equipment is changed and/or if new equipment is added to the supplemental equipment list.
 - B. To assure that each piece of equipment is properly identified as being a part of this generic portable rock-crushing plant (PORT-0512), Norris Aggregates Product Company shall provide and maintain suitable, easily read permanent markings on each component of the plant. These markings shall be the equipment's serial number or a company assigned identification number that uniquely identifies the individual component. These identification numbers must be submitted to the Air Pollution Control Program and the Regional Office no later than fifteen (15) days after start-up of the generic plant.

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GENERAL SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

- C. Norris Aggregates Product Company shall at all times maintain a list of the specific equipment currently being utilized with the generic portable rock-crushing plant (PORT-0512). The installation shall immediately make this list of currently used equipment available to any Missouri Department of Natural Resources' personnel upon request.
- 3. Relocation of Portable Plant
 - A. If this portable generic rock-crushing plant moves from the initial site reviewed in this permit (Gooden Quarry, 147-0017, Nodaway County, S31, T65N, R33W), then the portable generic rock-crushing plant shall not be operated at any site location longer than 24 consecutive months without an intervening relocation.
 - B. A complete "Portable Source Relocation Request" application must be submitted to the Air Pollution Control Program prior to any relocation of this portable generic rock-crushing plant.
 - 1) If the portable generic plant is moving to a site previously permitted, and if there are no other new plants at the site, then the application must be received by the Air Pollution Control Program at least seven (7) days prior to the relocation.
 - 2) If the portable generic plant is moving to a new site, or if there are other plants or equipment at the site that have not been evaluated for concurrent operation, then the application must be received by the Air Pollution Control Program at least twenty-one (21) days prior to the relocation. The application must include written notification of any concurrently operating plants.
- 4. Operating Permit Applicability

If this portable generic rock-crushing plant does not move from the initial site (Gooden Quarry, 147-0017, Nodaway County, S31, T65N, R33W) within 24 consecutive months, then Norris Aggregates Product Company shall submit an operating permit application. The Air Pollution Control Program must receive this application no later than 30 days after the exceedance of the 24 months.
- 5. Record Keeping Requirement

The operator(s) shall maintain all records required by this permit for not less than five (5) years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
- 6. Superseding Condition

The conditions of this permit supersede all special conditions found in the previously issued construction permit(s) (012005-004, 012005-004A) from the Air Pollution Control Program.

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Permit No.	
Project No.	2006-03-052

SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

Site ID No.: 003-0012
 Site Name: Amazonia Quarry
 Site Address: 219 East 3rd Street, Cameron
 Site County: Andrew County (S18/19, T59N, R35W)

1. **Best Management Practices**
 Norris Aggregates Product Company shall control fugitive emissions from all of the haul roads and stockpiles at this site by performing *Best Management Practices*, which include the usage of paving, chemical dust suppressants, or documented watering. These practices are defined in Attachment AA.
2. **National Ambient Air Quality Standards (NAAQS) Limitation for Particulate Matter Less Than Ten Microns in Diameter (PM₁₀)**
 - A. The operator(s) for Norris Aggregates Product Company's rock-crushing plant (PORT-0512) shall ensure, while operating at this site, that the ambient impact of PM₁₀ at or beyond the nearest property boundary does not exceed 150 µg/m³ in any 24-hour period, in accordance with the Federal NAAQS requirements (40 CFR 50.6).
 - B. The total daily ambient impact of PM₁₀ at this site shall include the combined impact of the rock-crushing plant and any ambient background concentration from installations or equipment located on the same site as the rock-crushing plant.
 - C. To demonstrate compliance, the operator(s) shall maintain a daily record of material processed. Attachment A-1, *Daily Ambient PM₁₀ Impact Tracking Record (Amazonia Quarry)*, or other equivalent form(s), will be used for this purpose.
3. **Annual Emission Limit of Nitrogen Oxides (NO_x)**
 - A. The operator(s) shall ensure that Norris Aggregates Product Company's rock-crushing plant emits less than 40 tons of NO_x into the atmosphere in any 12-month period.
 - B. To demonstrate compliance, the operator(s) shall maintain a daily record of material processed and NO_x. Attachment A-2, *Monthly Nitrogen Oxides (NO_x) Emissions Tracking Record*, or other equivalent form(s), will be used for this purpose.
4. **Usage of Wet Suppression Control System on Equipment**
 - A. Norris Aggregates Product Company shall install and operate wet spray devices to restrict the emission of particulate matter. These wet spray devices must be used to control fugitive emissions whenever these units are in operation. The wet spray devices shall be installed on the following units:
 - 1.) All Crushers
 - 2.) All Screens
 - 3.) All Bins
 - 4.) All conveyor drop points that are not controlled by carryover control from wet-controlled units (i.e. points that are two or more units after a wet-controlled unit within the process sequence)
 - B. Watering may be suspended during periods of freezing conditions, when use of the wet spray devices may damage the equipment. During these conditions, the operator(s) shall adjust the production rate to control fugitive emissions from these units. The operator shall record a brief description of such events in a daily log.
5. **Performance Testing for New Source Performance Standards (NSPS)**
 - A. Norris Aggregates Product Company shall submit the enclosed testing plan to the Enforcement section of the Air Pollution Control Program for all equipment applicable to NSPS Subpart "OOO". Norris Aggregates Product Company shall contact the Enforcement section to obtain all requirements for testing, and the plan must be submitted to the Enforcement section at least 30 days prior to the proposed test date.
 - B. Testing must be performed no later than 60 days after achieving the maximum production rate of the process, and in any case no later than 180 days after initial startup. The performance test results shall be submitted to the Enforcement section no later than 30 days after completion of any required testing.

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SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

6. **Prohibition Against Concurrent Operations Without Further Air Pollution Control Program Review**
The rock-crushing plant (PORT-0512) is prohibited from operating whenever any other plant(s) are located at this site.
7. **Restriction on the Use of Diesel Engine(s)**
The installation shall only operate the diesel engine(s) while the plant is running.
8. **Restriction on Process Configuration of Primary Emission Point(s)**
The maximum hourly design rate of the plant is equal to the sum of the design rate(s) of the primary emission point(s). Norris Aggregates Product Company has designated the following unit(s) as the primary emission point(s) of the rock-crushing plant: Primary Crusher. Bypassing the primary emission point(s) for processing is prohibited.
9. **Restriction on Minimum Distance to Nearest Property Boundary**
The primary emission point of the rock-crushing plant, which is the Primary Crusher, shall be located at least 500 feet from the nearest property boundary whenever it is operating at this site.
10. **Reporting Requirement**
The operator(s) shall report to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten (10) days after any exceedances of the limitations imposed by this permit.

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Project No.	2006-03-052

SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

Site ID No.: 147-0029
 Site Name: Barnard Quarry #325
 Site Address: CR 940, Barnard, MO 64423
 Site County: Nodaway County (S9, T62N, R35W)

1. **Best Management Practices**
 Norris Aggregates Product Company shall control fugitive emissions from all of the haul roads and stockpiles at this site by performing *Best Management Practices*, which include the usage of paving, chemical dust suppressants, or documented watering. These practices are defined in Attachment AA.
2. **National Ambient Air Quality Standards (NAAQS) Limitation for Particulate Matter Less Than Ten Microns in Diameter (PM₁₀)**
 - A. The operator(s) for Norris Aggregates Product Company's rock-crushing plant (PORT-0512) shall ensure, while operating at this site, that the ambient impact of PM₁₀ at or beyond the nearest property boundary does not exceed 150 µg/m³ in any 24-hour period, in accordance with the Federal NAAQS requirements (40 CFR 50.6).
 - B. The total daily ambient impact of PM₁₀ at this site shall include the combined impact of the rock-crushing plant and any ambient background concentration from installations or equipment located on the same site as the rock-crushing plant.
 - C. To demonstrate compliance, the operator(s) shall maintain a daily record of material processed. Attachment B-1, *Daily Ambient PM₁₀ Impact Tracking Record (Barnard Quarry #325)*, or other equivalent form(s), will be used for this purpose.
3. **Annual Emission Limit of Nitrogen Oxides (NO_x)**
 - A. The operator(s) shall ensure that Norris Aggregates Product Company's rock-crushing plant emits less than 40 tons of NO_x into the atmosphere in any 12-month period.
 - B. To demonstrate compliance, the operator(s) shall maintain a daily record of material processed and NO_x. Attachment B-2, *Monthly Nitrogen Oxides (NO_x) Emissions Tracking Record (Barnard Quarry #325)*, or other equivalent form(s), will be used for this purpose.
4. **Usage of Wet Suppression Control System on Equipment**
 - A. Norris Aggregates Product Company shall install and operate wet spray devices to restrict the emission of particulate matter. These wet spray devices must be used to control fugitive emissions whenever these units are in operation. The wet spray devices shall be installed on the following units:
 - 1.) All Crushers
 - 2.) All Screens
 - 3.) All Bins
 - 4.) All conveyor drop points that are not controlled by carryover control from wet-controlled units (i.e. points that are two or more units after a wet-controlled unit within the process sequence)
 - B. Watering may be suspended during periods of freezing conditions, when use of the wet spray devices may damage the equipment. During these conditions, the operator(s) shall adjust the production rate to control fugitive emissions from these units. The operator shall record a brief description of such events in a daily log.
5. **Performance Testing for New Source Performance Standards (NSPS)**
 - A. Norris Aggregates Product Company shall submit the enclosed testing plan to the Enforcement section of the Air Pollution Control Program for all equipment applicable to NSPS Subpart "OOO". Norris Aggregates Product Company shall contact the Enforcement section to obtain all requirements for testing, and the plan must be submitted to the Enforcement section at least 30 days prior to the proposed test date.
 - B. Testing must be performed no later than 60 days after achieving the maximum production rate of the process, and in any case no later than 180 days after initial startup. The performance test results shall be submitted to the Enforcement section no later than 30 days after completion of any required testing.

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Project No.	2006-03-052

SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

6. **Prohibition Against Concurrent Operations Without Further Air Pollution Control Program Review**
The rock-crushing plant (PORT-0512) is prohibited from operating whenever any other plant(s) are located at this site.
7. **Restriction on the Use of Diesel Engine(s)**
The installation shall only operate the diesel engine(s) while the plant is running.
8. **Restriction on Process Configuration of Primary Emission Point(s)**
The maximum hourly design rate of the plant is equal to the sum of the design rate(s) of the primary emission point(s). Norris Aggregates Product Company has designated the following unit(s) as the primary emission point(s) of the rock-crushing plant: Primary Crusher. Bypassing the primary emission point(s) for processing is prohibited.
9. **Restriction on Minimum Distance to Nearest Property Boundary**
The primary emission point of the rock-crushing plant, which is the Primary Crusher, shall be located at least 500 feet from the nearest property boundary whenever it is operating at this site.
10. **Reporting Requirement**
The operator(s) shall report to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten (10) days after any exceedances of the limitations imposed by this permit.

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Permit No.	
Project No.	2006-03-052

SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

Site ID No.: 147-0017

Site Name: Gooden Quarry #327

Site Address: 3 miles north of Ravenwood near Hwy C, Ravenwood, MO 64479

Site County: Nodaway County (S31, T65N, R33W)

1. **Best Management Practices**
Norris Aggregates Product Company shall control fugitive emissions from all of the haul roads and stockpiles at this site by performing *Best Management Practices*, which include the usage of paving, chemical dust suppressants, or documented watering. These practices are defined in Attachment AA.
2. **National Ambient Air Quality Standards (NAAQS) Limitation for Particulate Matter Less Than Ten Microns in Diameter (PM₁₀)**
 - A. The operator(s) for Norris Aggregates Product Company's rock-crushing plant (PORT-0512) shall ensure, while operating at this site, that the ambient impact of PM₁₀ at or beyond the nearest property boundary does not exceed 150 µg/m³ in any 24-hour period, in accordance with the Federal NAAQS requirements (40 CFR 50.6).
 - B. The total daily ambient impact of PM₁₀ at this site shall include the combined impact of the rock-crushing plant and any ambient background concentration from installations or equipment located on the same site as the rock-crushing plant.
 - C. To demonstrate compliance, the operator(s) shall maintain a daily record of material processed. Attachment C-1, *Daily Ambient PM₁₀ Impact Tracking Record (Gooden Quarry #327)*, or other equivalent form(s), will be used for this purpose.
3. **Annual Emission Limit of Nitrogen Oxides (NO_x)**
 - A. The operator(s) shall ensure that Norris Aggregates Product Company's rock-crushing plant emits less than 40 tons of NO_x into the atmosphere in any 12-month period.
 - B. To demonstrate compliance, the operator(s) shall maintain a daily record of material processed and NO_x. Attachment C-2, *Monthly Nitrogen Oxides (NO_x) Emissions Tracking Record (Gooden Quarry #327)*, or other equivalent form(s), will be used for this purpose.
4. **Usage of Wet Suppression Control System on Equipment**
 - A. Norris Aggregates Product Company shall install and operate wet spray devices to restrict the emission of particulate matter. These wet spray devices must be used to control fugitive emissions whenever these units are in operation. The wet spray devices shall be installed on the following units:
 - 1.) All Crushers
 - 2.) All Screens
 - 3.) All Bins
 - 4.) All conveyor drop points that are not controlled by carryover control from wet-controlled units (i.e. points that are two or more units after a wet-controlled unit within the process sequence)
 - B. Watering may be suspended during periods of freezing conditions, when use of the wet spray devices may damage the equipment. During these conditions, the operator(s) shall adjust the production rate to control fugitive emissions from these units. The operator shall record a brief description of such events in a daily log.
5. **Performance Testing for New Source Performance Standards (NSPS)**
 - A. Norris Aggregates Product Company shall submit the enclosed testing plan to the Enforcement section of the Air Pollution Control Program for all equipment applicable to NSPS Subpart "OOO". Norris Aggregates Product Company shall contact the Enforcement section to obtain all requirements for testing, and the plan must be submitted to the Enforcement section at least 30 days prior to the proposed test date.
 - B. Testing must be performed no later than 60 days after achieving the maximum production rate of the process, and in any case no later than 180 days after initial startup. The performance test results shall be submitted to the Enforcement section no later than 30 days after completion of any required testing.

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Permit No.	
Project No.	2006-03-052

SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

6. **Prohibition Against Concurrent Operations Without Further Air Pollution Control Program Review**
The rock-crushing plant (PORT-0512) is prohibited from operating whenever any other plant(s) are located at this site.
7. **Restriction on the Use of Diesel Engine(s)**
The installation shall only operate the diesel engine(s) while the plant is running.
8. **Restriction on Process Configuration of Primary Emission Point(s)**
The maximum hourly design rate of the plant is equal to the sum of the design rate(s) of the primary emission point(s). Norris Aggregates Product Company has designated the following unit(s) as the primary emission point(s) of the rock-crushing plant: Primary Crusher. Bypassing the primary emission point(s) for processing is prohibited.
9. **Restriction on Minimum Distance to Nearest Property Boundary**
The primary emission point of the rock-crushing plant, which is the Primary Crusher, shall be located at least 500 feet from the nearest property boundary whenever it is operating at this site.
10. **Reporting Requirement**
The operator(s) shall report to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten (10) days after any exceedances of the limitations imposed by this permit.

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Permit No.	
Project No.	2006-03-052

SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

Site ID No.: 081-0018

Site Name: Jeffries Quarry #154

Site Address: Hwy 13N, Blythedale, MO 64426

Site County: Harrison County (S3, T66N, R26W)

1. **Best Management Practices**
Norris Aggregates Product Company shall control fugitive emissions from all of the haul roads and stockpiles at this site by performing *Best Management Practices*, which include the usage of paving, chemical dust suppressants, or documented watering. These practices are defined in Attachment AA.
2. **National Ambient Air Quality Standards (NAAQS) Limitation for Particulate Matter Less Than Ten Microns in Diameter (PM₁₀)**
 - A. The operator(s) for Norris Aggregates Product Company's rock-crushing plant (PORT-0512) shall ensure, while operating at this site, that the ambient impact of PM₁₀ at or beyond the nearest property boundary does not exceed 150 µg/m³ in any 24-hour period, in accordance with the Federal NAAQS requirements (40 CFR 50.6).
 - B. The total daily ambient impact of PM₁₀ at this site shall include the combined impact of the rock-crushing plant and any ambient background concentration from installations or equipment located on the same site as the rock-crushing plant.
 - C. To demonstrate compliance, the operator(s) shall maintain a daily record of material processed. Attachment D-1, *Daily Ambient PM₁₀ Impact Tracking Record (Jeffries Quarry #154)*, or other equivalent form(s), will be used for this purpose.
3. **Annual Emission Limit of Nitrogen Oxides (NO_x)**
 - A. The operator(s) shall ensure that Norris Aggregates Product Company's rock-crushing plant emits less than 40 tons of NO_x into the atmosphere in any 12-month period.
 - B. To demonstrate compliance, the operator(s) shall maintain a daily record of material processed and NO_x. Attachment D-2, *Monthly Nitrogen Oxides (NO_x) Emissions Tracking Record (Jeffries Quarry #154)*, or other equivalent form(s), will be used for this purpose.
4. **Usage of Wet Suppression Control System on Equipment**
 - A. Norris Aggregates Product Company shall install and operate wet spray devices to restrict the emission of particulate matter. These wet spray devices must be used to control fugitive emissions whenever these units are in operation. The wet spray devices shall be installed on the following units:
 - 1.) All Crushers
 - 2.) All Screens
 - 3.) All Bins
 - 4.) All conveyor drop points that are not controlled by carryover control from wet-controlled units (i.e. points that are two or more units after a wet-controlled unit within the process sequence)
 - B. Watering may be suspended during periods of freezing conditions, when use of the wet spray devices may damage the equipment. During these conditions, the operator(s) shall adjust the production rate to control fugitive emissions from these units. The operator shall record a brief description of such events in a daily log.
5. **Performance Testing for New Source Performance Standards (NSPS)**
 - A. Norris Aggregates Product Company shall submit the enclosed testing plan to the Enforcement section of the Air Pollution Control Program for all equipment applicable to NSPS Subpart "OOO". Norris Aggregates Product Company shall contact the Enforcement section to obtain all requirements for testing, and the plan must be submitted to the Enforcement section at least 30 days prior to the proposed test date.
 - B. Testing must be performed no later than 60 days after achieving the maximum production rate of the process, and in any case no later than 180 days after initial startup. The performance test results shall be submitted to the Enforcement section no later than 30 days after completion of any required testing.

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Permit No.	
Project No.	2006-03-052

SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

6. **Prohibition Against Concurrent Operations Without Further Air Pollution Control Program Review**
The rock-crushing plant (PORT-0512) is prohibited from operating whenever any other plant(s) are located at this site.
7. **Restriction on the Use of Diesel Engine(s)**
The installation shall only operate the diesel engine(s) while the plant is running.
8. **Restriction on Process Configuration of Primary Emission Point(s)**
The maximum hourly design rate of the plant is equal to the sum of the design rate(s) of the primary emission point(s). Norris Aggregates Product Company has designated the following unit(s) as the primary emission point(s) of the rock-crushing plant: Primary Crusher. Bypassing the primary emission point(s) for processing is prohibited.
9. **Restriction on Minimum Distance to Nearest Property Boundary**
The primary emission point of the rock-crushing plant, which is the Primary Crusher, shall be located at least 500 feet from the nearest property boundary whenever it is operating at this site.
10. **Reporting Requirement**
The operator(s) shall report to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten (10) days after any exceedances of the limitations imposed by this permit.

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Permit No.	
Project No.	2006-03-052

SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

Site ID No.: 087-0002
Site Name: Maitland Quarry #531
Site Address: 5 miles south of Maitland, MO 64466
Site County: Holt County (S34, T62N, R37W)

1. **Best Management Practices**
Norris Aggregates Product Company shall control fugitive emissions from all of the haul roads and stockpiles at this site by performing *Best Management Practices*, which include the usage of paving, chemical dust suppressants, or documented watering. These practices are defined in Attachment AA.
2. **National Ambient Air Quality Standards (NAAQS) Limitation for Particulate Matter Less Than Ten Microns in Diameter (PM₁₀)**
 - A. The operator(s) for Norris Aggregates Product Company's rock-crushing plant (PORT-0512) shall ensure, while operating at this site, that the ambient impact of PM₁₀ at or beyond the nearest property boundary does not exceed 150 µg/m³ in any 24-hour period, in accordance with the Federal NAAQS requirements (40 CFR 50.6).
 - B. The total daily ambient impact of PM₁₀ at this site shall include the combined impact of the rock-crushing plant and any ambient background concentration from installations or equipment located on the same site as the rock-crushing plant.
 - C. To demonstrate compliance, the operator(s) shall maintain a daily record of material processed. Attachment E-1, *Daily Ambient PM₁₀ Impact Tracking Record (Maitland Quarry #531)*, or other equivalent form(s), will be used for this purpose.
3. **Annual Emission Limit of Particulate Matter Less Than Ten Microns in Diameter (PM₁₀)**
 - A. The operator(s) shall ensure that Norris Aggregates Product Company's rock-crushing plant emits less than 50 tons of PM₁₀ into the atmosphere in any 12-month period.
 - B. To demonstrate compliance, the operator(s) shall maintain a daily record of material processed and PM₁₀. Attachment E-2, *Monthly PM₁₀ Emissions Tracking Record (Maitland Quarry #531)*, or other equivalent form(s), will be used for this purpose.
4. **Annual Emission Limit of Nitrogen Oxides (NO_x)**
 - A. The operator(s) shall ensure that Norris Aggregates Product Company's rock-crushing plant emits less than 40 tons of NO_x into the atmosphere in any 12-month period.
 - B. To demonstrate compliance, the operator(s) shall maintain a daily record of material processed and NO_x. Attachment E-3, *Monthly Nitrogen Oxides (NO_x) Emissions Tracking Record (Maitland Quarry #531)*, or other equivalent form(s), will be used for this purpose.
5. **Usage of Wet Suppression Control System on Equipment**
 - A. Norris Aggregates Product Company shall install and operate wet spray devices to restrict the emission of particulate matter. These wet spray devices must be used to control fugitive emissions whenever these units are in operation. The wet spray devices shall be installed on the following units:
 - 1.) All Crushers
 - 2.) All Screens
 - 3.) All Bins
 - 4.) All conveyor drop points that are not controlled by carryover control from wet-controlled units (i.e. points that are two or more units after a wet-controlled unit within the process sequence)
 - B. Watering may be suspended during periods of freezing conditions, when use of the wet spray devices may damage the equipment. During these conditions, the operator(s) shall adjust the production rate to control fugitive emissions from these units. The operator shall record a brief description of such events in a daily log.

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SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

6. Performance Testing for New Source Performance Standards (NSPS)
 - A. Norris Aggregates Product Company shall submit the enclosed testing plan to the Enforcement section of the Air Pollution Control Program for all equipment applicable to NSPS Subpart "OOO". Norris Aggregates Product Company shall contact the Enforcement section to obtain all requirements for testing, and the plan must be submitted to the Enforcement section at least 30 days prior to the proposed test date.
 - B. Testing must be performed no later than 60 days after achieving the maximum production rate of the process, and in any case no later than 180 days after initial startup. The performance test results shall be submitted to the Enforcement section no later than 30 days after completion of any required testing.
7. Restriction on the Use of Diesel Engine(s)
The installation shall only operate the diesel engine(s) while the plant is running.
8. Prohibition Against Concurrent Operations Without Further Air Pollution Control Program Review
The rock-crushing plant (PORT-0512) is prohibited from operating whenever any other plant(s) are located at this site.
9. Restriction on Process Configuration of Primary Emission Point(s)
The maximum hourly design rate of the plant is equal to the sum of the design rate(s) of the primary emission point(s). Norris Aggregates Product Company has designated the following unit(s) as the primary emission point(s) of the rock-crushing plant: Primary Crusher. Bypassing the primary emission point(s) for processing is prohibited.
10. Restriction on Minimum Distance to Nearest Property Boundary
The primary emission point of the rock-crushing plant, which is the Primary Crusher, shall be located at least 500 feet from the nearest property boundary whenever it is operating at this site.
11. Reporting Requirement
The operator(s) shall report to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten (10) days after any exceedances of the limitations imposed by this permit.

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SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

Site ID No.: 129-P005

Site Name: Mercer Quarry #151

Site Address: Route 1, Box 222

Site County: Mercer County (S22, T66N, R23W)

1. **Best Management Practices**
Norris Aggregates Product Company shall control fugitive emissions from all of the haul roads and stockpiles at this site by performing *Best Management Practices*, which include the usage of paving, chemical dust suppressants, or documented watering. These practices are defined in Attachment AA.
2. **National Ambient Air Quality Standards (NAAQS) Limitation for Particulate Matter Less Than Ten Microns in Diameter (PM₁₀)**
 - A. The operator(s) for Norris Aggregates Product Company's rock-crushing plant (PORT-0512) shall ensure, while operating at this site, that the ambient impact of PM₁₀ at or beyond the nearest property boundary does not exceed 150 µg/m³ in any 24-hour period, in accordance with the Federal NAAQS requirements (40 CFR 50.6).
 - B. The total daily ambient impact of PM₁₀ at this site shall include the combined impact of the rock-crushing plant and any ambient background concentration from installations or equipment located on the same site as the rock-crushing plant.
 - C. To demonstrate compliance, the operator(s) shall maintain a daily record of material processed. Attachment F-1, *Daily Ambient PM₁₀ Impact Tracking Record (Mercer Quarry #151)*, or other equivalent form(s), will be used for this purpose.
3. **Annual Emission Limit of Nitrogen Oxides (NO_x)**
 - A. The operator(s) shall ensure that Norris Aggregates Product Company's rock-crushing plant emits less than 40 tons of NO_x into the atmosphere in any 12-month period.
 - B. To demonstrate compliance, the operator(s) shall maintain a daily record of material processed and NO_x. Attachment F-2, *Monthly Nitrogen Oxides (NO_x) Emissions Tracking Record (Mercer Quarry #151)*, or other equivalent form(s), will be used for this purpose.
4. **Usage of Wet Suppression Control System on Equipment**
 - A. Norris Aggregates Product Company shall install and operate wet spray devices to restrict the emission of particulate matter. These wet spray devices must be used to control fugitive emissions whenever these units are in operation. The wet spray devices shall be installed on the following units:
 - 1.) All Crushers
 - 2.) All Screens
 - 3.) All Bins
 - 4.) All conveyor drop points that are not controlled by carryover control from wet-controlled units (i.e. points that are two or more units after a wet-controlled unit within the process sequence)
 - B. Watering may be suspended during periods of freezing conditions, when use of the wet spray devices may damage the equipment. During these conditions, the operator(s) shall adjust the production rate to control fugitive emissions from these units. The operator shall record a brief description of such events in a daily log.
5. **Performance Testing for New Source Performance Standards (NSPS)**
 - A. Norris Aggregates Product Company shall submit the enclosed testing plan to the Enforcement section of the Air Pollution Control Program for all equipment applicable to NSPS Subpart "OOO". Norris Aggregates Product Company shall contact the Enforcement section to obtain all requirements for testing, and the plan must be submitted to the Enforcement section at least 30 days prior to the proposed test date.
 - B. Testing must be performed no later than 60 days after achieving the maximum production rate of the process, and in any case no later than 180 days after initial startup. The performance test results shall be submitted to the Enforcement section no later than 30 days after completion of any required testing.

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SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

6. **Prohibition Against Concurrent Operations Without Further Air Pollution Control Program Review**
The rock-crushing plant (PORT-0512) is prohibited from operating whenever any other plant(s) are located at this site.
7. **Restriction on the Use of Diesel Engine(s)**
The installation shall only operate the diesel engine(s) while the plant is running.
8. **Restriction on Process Configuration of Primary Emission Point(s)**
The maximum hourly design rate of the plant is equal to the sum of the design rate(s) of the primary emission point(s). Norris Aggregates Product Company has designated the following unit(s) as the primary emission point(s) of the rock-crushing plant: Primary Crusher. Bypassing the primary emission point(s) for processing is prohibited.
9. **Restriction on Minimum Distance to Nearest Property Boundary**
The primary emission point of the rock-crushing plant, which is the Primary Crusher, shall be located at least 500 feet from the nearest property boundary whenever it is operating at this site.
10. **Reporting Requirement**
The operator(s) shall report to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten (10) days after any exceedances of the limitations imposed by this permit.

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SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

Site ID No.: 081-0017

Site Name: N. Bethany Quarry #166

Site Address: Route 1, Bethany, MO 64424

Site County: Harrison County (S1, T63N, R28W)

1. **Best Management Practices**
Norris Aggregates Product Company shall control fugitive emissions from all of the haul roads and stockpiles at this site by performing *Best Management Practices*, which include the usage of paving, chemical dust suppressants, or documented watering. These practices are defined in Attachment AA.
2. **National Ambient Air Quality Standards (NAAQS) Limitation for Particulate Matter Less Than Ten Microns in Diameter (PM₁₀)**
 - A. The operator(s) for Norris Aggregates Product Company's rock-crushing plant (PORT-0512) shall ensure, while operating at this site, that the ambient impact of PM₁₀ at or beyond the nearest property boundary does not exceed 150 µg/m³ in any 24-hour period, in accordance with the Federal NAAQS requirements (40 CFR 50.6).
 - B. The total daily ambient impact of PM₁₀ at this site shall include the combined impact of the rock-crushing plant and any ambient background concentration from installations or equipment located on the same site as the rock-crushing plant.
 - C. To demonstrate compliance, the operator(s) shall maintain a daily record of material processed. Attachment G-1, *Daily Ambient PM₁₀ Impact Tracking Record (N. Bethany Quarry #166)*, or other equivalent form(s), will be used for this purpose.
3. **Annual Emission Limit of Nitrogen Oxides (NO_x)**
 - A. The operator(s) shall ensure that Norris Aggregates Product Company's rock-crushing plant emits less than 40 tons of NO_x into the atmosphere in any 12-month period.
 - B. To demonstrate compliance, the operator(s) shall maintain a daily record of material processed and NO_x. Attachment G-2, *Monthly Nitrogen Oxides (NO_x) Emissions Tracking Record (N. Bethany Quarry #166)*, or other equivalent form(s), will be used for this purpose.
4. **Usage of Wet Suppression Control System on Equipment**
 - A. Norris Aggregates Product Company shall install and operate wet spray devices to restrict the emission of particulate matter. These wet spray devices must be used to control fugitive emissions whenever these units are in operation. The wet spray devices shall be installed on the following units:
 - 1.) All Crushers
 - 2.) All Screens
 - 3.) All Bins
 - 4.) All conveyor drop points that are not controlled by carryover control from wet-controlled units (i.e. points that are two or more units after a wet-controlled unit within the process sequence)
 - B. Watering may be suspended during periods of freezing conditions, when use of the wet spray devices may damage the equipment. During these conditions, the operator(s) shall adjust the production rate to control fugitive emissions from these units. The operator shall record a brief description of such events in a daily log.
5. **Performance Testing for New Source Performance Standards (NSPS)**
 - A. Norris Aggregates Product Company shall submit the enclosed testing plan to the Enforcement section of the Air Pollution Control Program for all equipment applicable to NSPS Subpart "OOO". Norris Aggregates Product Company shall contact the Enforcement section to obtain all requirements for testing, and the plan must be submitted to the Enforcement section at least 30 days prior to the proposed test date.
 - B. Testing must be performed no later than 60 days after achieving the maximum production rate of the process, and in any case no later than 180 days after initial startup. The performance test results shall be submitted to the Enforcement section no later than 30 days after completion of any required testing.

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SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

6. **Prohibition Against Concurrent Operations Without Further Air Pollution Control Program Review**
The rock-crushing plant (PORT-0512) is prohibited from operating whenever any other plant(s) are located at this site.
7. **Restriction on the Use of Diesel Engine(s)**
The installation shall only operate the diesel engine(s) while the plant is running.
8. **Restriction on Process Configuration of Primary Emission Point(s)**
The maximum hourly design rate of the plant is equal to the sum of the design rate(s) of the primary emission point(s). Norris Aggregates Product Company has designated the following unit(s) as the primary emission point(s) of the rock-crushing plant: Primary Crusher. Bypassing the primary emission point(s) for processing is prohibited.
9. **Restriction on Minimum Distance to Nearest Property Boundary**
The primary emission point of the rock-crushing plant, which is the Primary Crusher, shall be located at least 500 feet from the nearest property boundary whenever it is operating at this site.
10. **Reporting Requirement**
The operator(s) shall report to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten (10) days after any exceedances of the limitations imposed by this permit.

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SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

Site ID No.: 061-0003
 Site Name: N. Gallatin Quarry #165
 Site Address: 21901 State Hwy 13, Gallatin, MO 64640
 Site County: Daviess County, S33, T60N, R27W

1. **Best Management Practices**
 Norris Aggregates Product Company shall control fugitive emissions from all of the haul roads and stockpiles at this site by performing *Best Management Practices*, which include the usage of paving, chemical dust suppressants, or documented watering. These practices are defined in Attachment AA.
2. **National Ambient Air Quality Standards (NAAQS) Limitation for Particulate Matter Less Than Ten Microns in Diameter (PM₁₀)**
 - A. The operator(s) for Norris Aggregates Product Company's rock-crushing plant (PORT-0512) shall ensure, while operating at this site, that the ambient impact of PM₁₀ at or beyond the nearest property boundary does not exceed 150 µg/m³ in any 24-hour period, in accordance with the Federal NAAQS requirements (40 CFR 50.6).
 - B. The total daily ambient impact of PM₁₀ at this site shall include the combined impact of the rock-crushing plant and any ambient background concentration from installations or equipment located on the same site as the rock-crushing plant.
 - C. To demonstrate compliance, the operator(s) shall maintain a daily record of material processed. Attachment H-1, *Daily Ambient PM₁₀ Impact Tracking Record (N. Gallatin Quarry #165)*, or other equivalent form(s), will be used for this purpose.
3. **Annual Emission Limit of Nitrogen Oxides (NO_x)**
 - A. The operator(s) shall ensure that Norris Aggregates Product Company's rock-crushing plant emits less than 40 tons of NO_x into the atmosphere in any 12-month period.
 - B. To demonstrate compliance, the operator(s) shall maintain a daily record of material processed and NO_x. Attachment H-2, *Monthly Nitrogen Oxides (NO_x) Emissions Tracking Record (N. Gallatin Quarry #165)*, or other equivalent form(s), will be used for this purpose.
4. **Usage of Wet Suppression Control System on Equipment**
 - A. Norris Aggregates Product Company shall install and operate wet spray devices to restrict the emission of particulate matter. These wet spray devices must be used to control fugitive emissions whenever these units are in operation. The wet spray devices shall be installed on the following units:
 - 1.) All Crushers
 - 2.) All Screens
 - 3.) All Bins
 - 4.) All conveyor drop points that are not controlled by carryover control from wet-controlled units (i.e. points that are two or more units after a wet-controlled unit within the process sequence)
 - B. Watering may be suspended during periods of freezing conditions, when use of the wet spray devices may damage the equipment. During these conditions, the operator(s) shall adjust the production rate to control fugitive emissions from these units. The operator shall record a brief description of such events in a daily log.
5. **Performance Testing for New Source Performance Standards (NSPS)**
 - A. Norris Aggregates Product Company shall submit the enclosed testing plan to the Enforcement section of the Air Pollution Control Program for all equipment applicable to NSPS Subpart "OOO". Norris Aggregates Product Company shall contact the Enforcement section to obtain all requirements for testing, and the plan must be submitted to the Enforcement section at least 30 days prior to the proposed test date.
 - B. Testing must be performed no later than 60 days after achieving the maximum production rate of the process, and in any case no later than 180 days after initial startup. The performance test results shall be submitted to the Enforcement section no later than 30 days after completion of any required testing.

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SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

6. **Prohibition Against Concurrent Operations Without Further Air Pollution Control Program Review**
The rock-crushing plant (PORT-0512) is prohibited from operating whenever any other plant(s) are located at this site.
7. **Restriction on the Use of Diesel Engine(s)**
The installation shall only operate the diesel engine(s) while the plant is running.
8. **Restriction on Process Configuration of Primary Emission Point(s)**
The maximum hourly design rate of the plant is equal to the sum of the design rate(s) of the primary emission point(s). Norris Aggregates Product Company has designated the following unit(s) as the primary emission point(s) of the rock-crushing plant: Primary Crusher. Bypassing the primary emission point(s) for processing is prohibited.
9. **Restriction on Minimum Distance to Nearest Property Boundary**
The primary emission point of the rock-crushing plant, which is the Primary Crusher, shall be located at least 500 feet from the nearest property boundary whenever it is operating at this site.
10. **Reporting Requirement**
The operator(s) shall report to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten (10) days after any exceedances of the limitations imposed by this permit.

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SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

Site ID No.: 087-P015
 Site Name: New Point Quarry
 Site Address: RR2, Oregon, MO 64473
 Site County: Holt County (S27/28, T61N, R37W)

1. **Best Management Practices**
 Norris Aggregates Product Company shall control fugitive emissions from all of the haul roads and stockpiles at this site by performing *Best Management Practices*, which include the usage of paving, chemical dust suppressants, or documented watering. These practices are defined in Attachment AA.
2. **National Ambient Air Quality Standards (NAAQS) Limitation for Particulate Matter Less Than Ten Microns in Diameter (PM₁₀)**
 - A. The operator(s) for Norris Aggregates Product Company's rock-crushing plant (PORT-0512) shall ensure, while operating at this site, that the ambient impact of PM₁₀ at or beyond the nearest property boundary does not exceed 150 µg/m³ in any 24-hour period, in accordance with the Federal NAAQS requirements (40 CFR 50.6).
 - B. The total daily ambient impact of PM₁₀ at this site shall include the combined impact of the rock-crushing plant and any ambient background concentration from installations or equipment located on the same site as the rock-crushing plant.
 - C. To demonstrate compliance, the operator(s) shall maintain a daily record of material processed. Attachment I-1, *Daily Ambient PM₁₀ Impact Tracking Record (New Point Quarry)*, or other equivalent form(s), will be used for this purpose.
3. **Annual Emission Limit of Nitrogen Oxides (NO_x)**
 - A. The operator(s) shall ensure that Norris Aggregates Product Company's rock-crushing plant emits less than 40 tons of NO_x into the atmosphere in any 12-month period.
 - B. To demonstrate compliance, the operator(s) shall maintain a daily record of material processed and NO_x. Attachment I-2, *Monthly Nitrogen Oxides (NO_x) Emissions Tracking Record (New Point Quarry)*, or other equivalent form(s), will be used for this purpose.
4. **Usage of Wet Suppression Control System on Equipment**
 - A. Norris Aggregates Product Company shall install and operate wet spray devices to restrict the emission of particulate matter. These wet spray devices must be used to control fugitive emissions whenever these units are in operation. The wet spray devices shall be installed on the following units:
 - 1.) All Crushers
 - 2.) All Screens
 - 3.) All Bins
 - 4.) All conveyor drop points that are not controlled by carryover control from wet-controlled units (i.e. points that are two or more units after a wet-controlled unit within the process sequence)
 - B. Watering may be suspended during periods of freezing conditions, when use of the wet spray devices may damage the equipment. During these conditions, the operator(s) shall adjust the production rate to control fugitive emissions from these units. The operator shall record a brief description of such events in a daily log.
5. **Performance Testing for New Source Performance Standards (NSPS)**
 - A. Norris Aggregates Product Company shall submit the enclosed testing plan to the Enforcement section of the Air Pollution Control Program for all equipment applicable to NSPS Subpart "OOO". Norris Aggregates Product Company shall contact the Enforcement section to obtain all requirements for testing, and the plan must be submitted to the Enforcement section at least 30 days prior to the proposed test date.
 - B. Testing must be performed no later than 60 days after achieving the maximum production rate of the process, and in any case no later than 180 days after initial startup. The performance test results shall be submitted to the Enforcement section no later than 30 days after completion of any required testing.

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SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

6. **Prohibition Against Concurrent Operations Without Further Air Pollution Control Program Review**
The rock-crushing plant (PORT-0512) is prohibited from operating whenever any other plant(s) are located at this site.
7. **Restriction on the Use of Diesel Engine(s)**
The installation shall only operate the diesel engine(s) while the plant is running.
8. **Restriction on Process Configuration of Primary Emission Point(s)**
The maximum hourly design rate of the plant is equal to the sum of the design rate(s) of the primary emission point(s). Norris Aggregates Product Company has designated the following unit(s) as the primary emission point(s) of the rock-crushing plant: Primary Crusher. Bypassing the primary emission point(s) for processing is prohibited.
9. **Restriction on Minimum Distance to Nearest Property Boundary**
The primary emission point of the rock-crushing plant, which is the Primary Crusher, shall be located at least 500 feet from the nearest property boundary whenever it is operating at this site.
10. **Reporting Requirement**
The operator(s) shall report to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten (10) days after any exceedances of the limitations imposed by this permit.

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SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

Site ID No.: 129-0003
 Site Name: Princeton Quarry #161
 Site Address: Rural Road 1, Princeton, MO 64673
 Site County: Mercer County (S3/34, T64N/65N, R24W)

1. **Best Management Practices**
 Norris Aggregates Product Company shall control fugitive emissions from all of the haul roads and stockpiles at this site by performing *Best Management Practices*, which include the usage of paving, chemical dust suppressants, or documented watering. These practices are defined in Attachment AA.
2. **National Ambient Air Quality Standards (NAAQS) Limitation for Particulate Matter Less Than Ten Microns in Diameter (PM₁₀)**
 - A. The operator(s) for Norris Aggregates Product Company's rock-crushing plant (PORT-0512) shall ensure, while operating at this site, that the ambient impact of PM₁₀ at or beyond the nearest property boundary does not exceed 150 µg/m³ in any 24-hour period, in accordance with the Federal NAAQS requirements (40 CFR 50.6).
 - B. The total daily ambient impact of PM₁₀ at this site shall include the combined impact of the rock-crushing plant and any ambient background concentration from installations or equipment located on the same site as the rock-crushing plant.
 - C. To demonstrate compliance, the operator(s) shall maintain a daily record of material processed. Attachment J-1, *Daily Ambient PM₁₀ Impact Tracking Record (Princeton Quarry #161)*, or other equivalent form(s), will be used for this purpose.
3. **Annual Emission Limit of Nitrogen Oxides (NO_x)**
 - A. The operator(s) shall ensure that Norris Aggregates Product Company's rock-crushing plant emits less than 40 tons of NO_x into the atmosphere in any 12-month period.
 - B. To demonstrate compliance, the operator(s) shall maintain a daily record of material processed and NO_x. Attachment J-2, *Monthly Nitrogen Oxides (NO_x) Emissions Tracking Record (Princeton Quarry #161)*, or other equivalent form(s), will be used for this purpose.
4. **Usage of Wet Suppression Control System on Equipment**
 - A. Norris Aggregates Product Company shall install and operate wet spray devices to restrict the emission of particulate matter. These wet spray devices must be used to control fugitive emissions whenever these units are in operation. The wet spray devices shall be installed on the following units:
 - 1.) All Crushers
 - 2.) All Screens
 - 3.) All Bins
 - 4.) All conveyor drop points that are not controlled by carryover control from wet-controlled units (i.e. points that are two or more units after a wet-controlled unit within the process sequence)
 - B. Watering may be suspended during periods of freezing conditions, when use of the wet spray devices may damage the equipment. During these conditions, the operator(s) shall adjust the production rate to control fugitive emissions from these units. The operator shall record a brief description of such events in a daily log.
5. **Performance Testing for New Source Performance Standards (NSPS)**
 - A. Norris Aggregates Product Company shall submit the enclosed testing plan to the Enforcement section of the Air Pollution Control Program for all equipment applicable to NSPS Subpart "OOO". Norris Aggregates Product Company shall contact the Enforcement section to obtain all requirements for testing, and the plan must be submitted to the Enforcement section at least 30 days prior to the proposed test date.
 - B. Testing must be performed no later than 60 days after achieving the maximum production rate of the process, and in any case no later than 180 days after initial startup. The performance test results shall be submitted to the Enforcement section no later than 30 days after completion of any required testing.

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SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

6. **Prohibition Against Concurrent Operations Without Further Air Pollution Control Program Review**
The rock-crushing plant (PORT-0512) is prohibited from operating whenever any other plant(s) are located at this site.
7. **Restriction on the Use of Diesel Engine(s)**
The installation shall only operate the diesel engine(s) while the plant is running.
8. **Restriction on Process Configuration of Primary Emission Point(s)**
The maximum hourly design rate of the plant is equal to the sum of the design rate(s) of the primary emission point(s). Norris Aggregates Product Company has designated the following unit(s) as the primary emission point(s) of the rock-crushing plant: Primary Crusher. Bypassing the primary emission point(s) for processing is prohibited.
9. **Restriction on Minimum Distance to Nearest Property Boundary**
The primary emission point of the rock-crushing plant, which is the Primary Crusher, shall be located at least 500 feet from the nearest property boundary whenever it is operating at this site.
10. **Reporting Requirement**
The operator(s) shall report to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten (10) days after any exceedances of the limitations imposed by this permit.

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SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

Site ID No.: 061-0016
 Site Name: Route C Quarry #171
 Site Address: 16664 State Hwy C, Pattonsburg, MO 64670
 Site County: Daviess County (S30, T61N, R28W)

1. **Best Management Practices**
 Norris Aggregates Product Company shall control fugitive emissions from all of the haul roads and stockpiles at this site by performing *Best Management Practices*, which include the usage of paving, chemical dust suppressants, or documented watering. These practices are defined in Attachment AA.
2. **National Ambient Air Quality Standards (NAAQS) Limitation for Particulate Matter Less Than Ten Microns in Diameter (PM₁₀)**
 - A. The operator(s) for Norris Aggregates Product Company's rock-crushing plant (PORT-0512) shall ensure, while operating at this site, that the ambient impact of PM₁₀ at or beyond the nearest property boundary does not exceed 150 µg/m³ in any 24-hour period, in accordance with the Federal NAAQS requirements (40 CFR 50.6).
 - B. The total daily ambient impact of PM₁₀ at this site shall include the combined impact of the rock-crushing plant and any ambient background concentration from installations or equipment located on the same site as the rock-crushing plant.
 - C. To demonstrate compliance, the operator(s) shall maintain a daily record of material processed. Attachment K-1, *Daily Ambient PM₁₀ Impact Tracking Record (Route C Quarry #171)*, or other equivalent form(s), will be used for this purpose.
3. **Annual Emission Limit of Nitrogen Oxides (NO_x)**
 - A. The operator(s) shall ensure that Norris Aggregates Product Company's rock-crushing plant emits less than 40 tons of NO_x into the atmosphere in any 12-month period.
 - B. To demonstrate compliance, the operator(s) shall maintain a daily record of material processed and NO_x. Attachment K-2, *Monthly Nitrogen Oxides (NO_x) Emissions Tracking Record (Route C Quarry #171)*, or other equivalent form(s), will be used for this purpose.
4. **Usage of Wet Suppression Control System on Equipment**
 - A. Norris Aggregates Product Company shall install and operate wet spray devices to restrict the emission of particulate matter. These wet spray devices must be used to control fugitive emissions whenever these units are in operation. The wet spray devices shall be installed on the following units:
 - 1.) All Crushers
 - 2.) All Screens
 - 3.) All Bins
 - 4.) All conveyor drop points that are not controlled by carryover control from wet-controlled units (i.e. points that are two or more units after a wet-controlled unit within the process sequence)
 - B. Watering may be suspended during periods of freezing conditions, when use of the wet spray devices may damage the equipment. During these conditions, the operator(s) shall adjust the production rate to control fugitive emissions from these units. The operator shall record a brief description of such events in a daily log.
5. **Performance Testing for New Source Performance Standards (NSPS)**
 - A. Norris Aggregates Product Company shall submit the enclosed testing plan to the Enforcement section of the Air Pollution Control Program for all equipment applicable to NSPS Subpart "OOO". Norris Aggregates Product Company shall contact the Enforcement section to obtain all requirements for testing, and the plan must be submitted to the Enforcement section at least 30 days prior to the proposed test date.
 - B. Testing must be performed no later than 60 days after achieving the maximum production rate of the process, and in any case no later than 180 days after initial startup. The performance test results shall be submitted to the Enforcement section no later than 30 days after completion of any required testing.

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SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

6. **Prohibition Against Concurrent Operations Without Further Air Pollution Control Program Review**
The rock-crushing plant (PORT-0512) is prohibited from operating whenever any other plant(s) are located at this site.
7. **Restriction on the Use of Diesel Engine(s)**
The installation shall only operate the diesel engine(s) while the plant is running.
8. **Restriction on Process Configuration of Primary Emission Point(s)**
The maximum hourly design rate of the plant is equal to the sum of the design rate(s) of the primary emission point(s). Norris Aggregates Product Company has designated the following unit(s) as the primary emission point(s) of the rock-crushing plant: Primary Crusher. Bypassing the primary emission point(s) for processing is prohibited.
9. **Restriction on Minimum Distance to Nearest Property Boundary**
The primary emission point of the rock-crushing plant, which is the Primary Crusher, shall be located at least 500 feet from the nearest property boundary whenever it is operating at this site.
10. **Reporting Requirement**
The operator(s) shall report to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten (10) days after any exceedances of the limitations imposed by this permit.

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Permit No.	
Project No.	2006-03-052

SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

Site ID No.: 079-0016

Site Name: Trenton Quarry #530

Site Address: 38 NW Highway 146, Trenton, MO 64683

Site County: Grundy County (S24, T61N, R25W)

1. **Best Management Practices**
Norris Aggregates Product Company shall control fugitive emissions from all of the haul roads and stockpiles at this site by performing *Best Management Practices*, which include the usage of paving, chemical dust suppressants, or documented watering. These practices are defined in Attachment AA.
2. **National Ambient Air Quality Standards (NAAQS) Limitation for Particulate Matter Less Than Ten Microns in Diameter (PM₁₀)**
 - A. The operator(s) for Norris Aggregates Product Company's rock-crushing plant (PORT-0512) shall ensure, while operating at this site, that the ambient impact of PM₁₀ at or beyond the nearest property boundary does not exceed 150 µg/m³ in any 24-hour period, in accordance with the Federal NAAQS requirements (40 CFR 50.6).
 - B. The total daily ambient impact of PM₁₀ at this site shall include the combined impact of the rock-crushing plant and any ambient background concentration from installations or equipment located on the same site as the rock-crushing plant.
 - C. To demonstrate compliance, the operator(s) shall maintain a daily record of material processed. Attachment L-1, *Daily Ambient PM₁₀ Impact Tracking Record (Trenton Quarry #530)*, or other equivalent form(s), will be used for this purpose.
3. **Annual Emission Limit of Nitrogen Oxides (NO_x)**
 - A. The operator(s) shall ensure that Norris Aggregates Product Company's rock-crushing plant emits less than 40 tons of NO_x into the atmosphere in any 12-month period.
 - B. To demonstrate compliance, the operator(s) shall maintain a daily record of material processed and NO_x. Attachment L-2, *Monthly Nitrogen Oxides (NO_x) Emissions Tracking Record (Trenton Quarry #530)*, or other equivalent form(s), will be used for this purpose.
4. **Usage of Wet Suppression Control System on Equipment**
 - A. Norris Aggregates Product Company shall install and operate wet spray devices to restrict the emission of particulate matter. These wet spray devices must be used to control fugitive emissions whenever these units are in operation. The wet spray devices shall be installed on the following units:
 - 1.) All Crushers
 - 2.) All Screens
 - 3.) All Bins
 - 4.) All conveyor drop points that are not controlled by carryover control from wet-controlled units (i.e. points that are two or more units after a wet-controlled unit within the process sequence)
 - B. Watering may be suspended during periods of freezing conditions, when use of the wet spray devices may damage the equipment. During these conditions, the operator(s) shall adjust the production rate to control fugitive emissions from these units. The operator shall record a brief description of such events in a daily log.
5. **Performance Testing for New Source Performance Standards (NSPS)**
 - A. Norris Aggregates Product Company shall submit the enclosed testing plan to the Enforcement section of the Air Pollution Control Program for all equipment applicable to NSPS Subpart "OOO". Norris Aggregates Product Company shall contact the Enforcement section to obtain all requirements for testing, and the plan must be submitted to the Enforcement section at least 30 days prior to the proposed test date.
 - B. Testing must be performed no later than 60 days after achieving the maximum production rate of the process, and in any case no later than 180 days after initial startup. The performance test results shall be submitted to the Enforcement section no later than 30 days after completion of any required testing.

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Permit No.	
Project No.	2006-03-052

SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

6. **Prohibition Against Concurrent Operations Without Further Air Pollution Control Program Review**
The rock-crushing plant (PORT-0512) is prohibited from operating whenever any other plant(s) are located at this site.
7. **Restriction on the Use of Diesel Engine(s)**
The installation shall only operate the diesel engine(s) while the plant is running.
8. **Restriction on Process Configuration of Primary Emission Point(s)**
The maximum hourly design rate of the plant is equal to the sum of the design rate(s) of the primary emission point(s). Norris Aggregates Product Company has designated the following unit(s) as the primary emission point(s) of the rock-crushing plant: Primary Crusher. Bypassing the primary emission point(s) for processing is prohibited.
9. **Restriction on Minimum Distance to Nearest Property Boundary**
The primary emission point of the rock-crushing plant, which is the Primary Crusher, shall be located at least 500 feet from the nearest property boundary whenever it is operating at this site.
10. **Reporting Requirement**
The operator(s) shall report to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten (10) days after any exceedances of the limitations imposed by this permit.

TECHNICAL REVIEW OF APPLICATION FOR AUTHORITY TO CONSTRUCT

PROJECT DESCRIPTION

A construction permit (#012005-004) was issued to the portable rock-crushing plant in 2005 allowing only the use of two (2) crushers, one (1) screen, three (3) conveyors, one (1) bin, and a 250 horsepower diesel engine. The company requested to change the plant to a generic plant to allow more equipment to be used. The plant is now permitted to operate a maximum of three (3) crushers, two (2) screens, ten (10) conveyors, and ten (10) bins. A diesel engine with 1000 horsepower or less is also allowed. The diesel engine can only operate while the plant is running.

Rock, composed of non-metallic minerals, is drilled/blasted, loaded into haul trucks, and transported to processing. Rock is processed through feeder(s), crusher(s), screen(s), conveyor(s), and bin(s). Processing equipment is powered with diesel engine(s). The emission points are listed in the attached spreadsheet summary. This installation is not on the List of Named Installations [10 CSR 10-6.020(3)(B), Table 2]. The installation is approved to operate at various sites in Andrew, Nodaway, Harrison, Hold, Mercer, Daviess, and Grundy Counties.

Table 1. Other Permits Issued for Site 003-0012

Permit Number	Completed	Description
012005-004	1/20/2005	Section 6 Permit.

EMISSIONS EVALUATION

Criteria air pollutants will be emitted from this operation. The portable plant (PORT-0512) is permitted to operate a 1000 horsepower diesel engine, and this engine shall only operate while the plant is running. The main air pollutant of concern is NOx. The potential emissions were calculated from the maximum hourly design rate (MHDR) of the equipment, appropriate emission factors, control device efficiencies, and the limiting operating hours at MHDR. The sources of the emission factors and control efficiencies are listed in the section "Permit Documents". Based on the conditioned potential emissions, the operation is considered a minor source under 10 CSR 10-6.060 section (6).

The potential to emit of Nitrogen Oxides (NOx) is above the de minimis level of 40 tons. Therefore, the company has the option of accepting a NOx limit of less than 40 tons or submit stack parameters for the diesel engine(s) so ambient air analysis could be conducted on NOx. The company elected to hold NOx under 40 tons in any 12-month period.

Table 2: Emissions Summary (tons per year) for All Sites

Sites	Air Pollutant	Regulatory De Minimis Levels	Existing Potential Emissions	Existing Actual Emissions (2004 EIQ)	Potential Emissions of the Application	*New Installation Conditioned Potential	Emission Factor (lb/ton)
Amazonia Quarry 003-0012	PM ₁₀	15.0	60.67	0.55	60.67	37.65	N/A
Barnard Quarry #325 147-0029	PM ₁₀	15.0	57.66	0.55	57.66	35.78	N/A
Gooden Quarry #327 147-0017	PM ₁₀	15.0	59.06	0.55	59.06	36.65	N/A
Jeffries Quarry #154 081-0018	PM ₁₀	15.0	56.28	0.55	56.28	34.92	N/A
Maitland Quarry #531 087-0002	PM ₁₀	15.0	81.84	0.55	81.84	<50.00	0.0747
Mercer Quarry #151 129-P005	PM ₁₀	15.0	64.17	0.55	64.17	39.82	N/A
N. Bethany Quarry #166 081-0017	PM ₁₀	15.0	65.11	0.55	65.11	40.40	N/A
N. Gallatin Quarry #165 061-0003	PM ₁₀	15.0	63.80	0.55	63.80	39.59	N/A
New Point Quarry 087-P015	PM ₁₀	15.0	61.26	0.55	61.26	38.01	N/A
Princeton Quarry #161 129-0003	PM ₁₀	15.0	59.42	0.55	59.42	36.87	N/A
Route C Quarry 061-0016	PM ₁₀	15.0	57.36	0.55	57.36	35.59	N/A
Trenton Quarry #530 079-0016	PM ₁₀	15.0	56.92	0.55	56.92	56.92	N/A
All Sites	SO _x	40.0	9.23	1.03	9.23	2.63	N/A
All Sites	NO _x	40.0	140.36	15.70	140.36	<40.00	0.1282
All Sites	VOC	40.0	11.46	1.28	11.46	3.27	N/A
All Sites	CO	100.0	30.24	3.38	30.24	8.62	N/A
All Sites	HAPs	10.0/25.0	0.13	N/A	0.13	0.04	N/A

Note: N/A = Not Applicable

* PM₁₀ conditioned potential based on ambient impact analysis. NO_x emissions based on limit in permit conditions. Other pollutants proportionately reduced according to NO_x limitation.

AMBIENT AIR QUALITY IMPACT ANALYSIS

Screening tools were used to evaluate the ambient air impact of the hourly emissions from this operation. The ambient impact for all sites were evaluated at a distance of 500 feet to the nearest property boundary. The ambient impact at this site shall not exceed the National Ambient Air Quality Standard (NAAQS) of 150 µg/m³ of PM₁₀ at or beyond the nearest property boundary in any single 24-hour period. The screening tools were used to develop an ambient impact factor for the rock-crushing plant. This ambient impact factor is incorporated into the daily record keeping table, Attachment A.

For sources agreeing to use Best Management Practices (BMPs), as defined in Attachment AA, haul roads and stockpiles are not modeled with screening tools. Instead, they are addressed as a background level of 20 µg/m³ of PM₁₀. To ensure conformity with NAAQS, the remaining process emissions are limited to an impact of less than 130 µg/m³ of PM₁₀ at or beyond the nearest property boundary.

Table 3: Ambient Air Quality Impact Analysis of PM₁₀, 24-Hour Averaging Time, All Sites

Operation	Ambient Impact Factor (µg/m ³ ton)	Modeled Impact (µg/m ³)	*Background (µg/m ³)	NAAQS (µg/m ³)	Daily Production Limit (tons)
1. Solitary	0.0349	130.00	20.00	150.00	3723

* Background PM₁₀ level of 20.00 µg/m³ from haul roads and stockpiles.

APPLICABLE REQUIREMENTS

The owner is subject to compliance with the following applicable requirements. The Missouri Air Conservation Laws and Regulations should be consulted for specific record keeping, monitoring, and reporting requirements.

- *Submission of Emission Data, Emission Fees and Process Information*, 10 CSR 10-6.110
- *Operating Permits*, 10 CSR 10-6.065
- If this portable rock-crushing plant remains at the initial site reviewed in this permit longer than 24 consecutive months, then the owner shall submit an Operating Permit Application. The Air Pollution Control Program must receive this application no later than 30 days after the exceedance of 24 months.
- *Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin*, 10 CSR 10-6.170
- *Restriction of Emission of Visible Air Contaminants*, 10 CSR 10-6.220
- *Restriction of Emission of Odors*, 10 CSR 10-3.090
- *Restriction of Emission of Particulate Matter From Industrial Processes*, 10 CSR 10-6.400
- *Restriction of Emission of Sulfur Compounds*, 10 CSR 10-6.260
- None of the New Source Performance Standards (NSPS) apply to the proposed equipment.
- 40 CFR Part 60 Subpart "OOO", *Standards of Performance for Nonmetallic Mineral Processing Plants*, of the New Source Performance Standards (NSPS).
- The National Emission Standards for Hazardous Air Pollutants (NESHAPs) and the currently promulgated Maximum Achievable Control Technology (MACT) regulations do not apply to the proposed equipment.

STAFF RECOMMENDATION

On the basis of this review conducted in accordance with Section (6), Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*, I recommend this permit be granted with special conditions.

Chia-Wei Young
Environmental Engineer

Date

PERMIT DOCUMENTS

The following documents are incorporated by reference into this permit:

- The Application for Authority to Construct form, designating Norris Asphalt Paving Co. as the owner and operator of the installation.
- Environmental Protection Agency (EPA) AP-42, *Compilation of Air Pollutant Emission Factors; Volume I, Stationary Point and Area Sources, Fifth Edition*.
- Noyes Data Corp., Orlemann, et al.1983, *Fugitive Dust Control*.
- EPA Factor Information Retrieval (FIRE) Version 6.21.
- Spreadsheet calculations of potential-to-emit and ambient impact.
- Kansas City Regional Office Site Survey.
- Best Management Practices.

**Attachment A-1: Daily Ambient PM₁₀ Impact Tracking Record (Amazonia Quarry)
Norris Aggregates Product Company, PORT-0512 – Generic Rock-crushing Plant**

Project Number: 2006-03-052
County, CSTR: Andrew County (S18/19, T59N, R35W)
Primary Unit Size: 250 tph
Distance to Nearest Property Boundary: 500 feet

This sheet covers the period from _____ to _____ (Month, Day, Year) (Copy this sheet as needed.)

[illegible]

Note 1: The Daily PM₁₀ Impact (µg/m³) for each plant is calculated by multiplying the Daily Production (tons) by the matching Ambient Impact Factor.

Note 2: Background PM₁₀ Level (µg/m³) is from Haul Roads and Stockpiles.

Note 3: The TOTAL PM₁₀ Level (µg/m3) is calculated by summing the Daily PM₁₀ Ambient Impact(s) and the Background PM₁₀ Level. A TOTAL PM₁₀ Level of less than 150 µg/m3 in any 24-hour period indicates compliance.

**Attachment A-2: Monthly Nitrogen Oxides (NOx) Emissions Tracking Record (Amazonia Quarry)
Norris Aggregates Product Company, PORT-0512 – Generic Rock-crushing Plant**

Project Number: 2006-03-052
County, CSTR: Andrew County (S18/19, T59N, R35W)
Primary Unit Size: 250 tph
Distance to Nearest Property Boundary: 500 feet

This sheet covers the period from _____ to _____ (Month, Day, Year)
(Copy this sheet as needed.)

[illegible]

Note 1: The Monthly Emissions (lbs) are calculated by multiplying the Monthly Production (tons) by the Composite Emission Factor (lbs/ton).

Note 2: The Monthly Emissions (tons) are calculated by dividing the Monthly Emissions (lbs) by 2,000.

Note 3: The 12-Month Emissions (tons/year) are a rolling total calculated by adding the Month's Emissions (tons) to the Monthly Emissions (tons) of the previous eleven (11) months. A total of less than **40** tons in any consecutive 12-month period indicates compliance.

**Attachment B-1: Daily Ambient PM₁₀ Impact Tracking Record (Barnard Quarry #325)
Norris Aggregates Product Company, PORT-0512 – Generic Rock-Crushing Plant**

Project Number: 2006-03-052
County, CSTR: Nodaway County (S9, T62N, R35W)
Primary Unit Size: 250 tph
Distance to Nearest Property Boundary: 500 feet

This sheet covers the period from _____ to _____ (Month, Day, Year) (Copy this sheet as needed.)

[illegible]

Note 1: The Daily PM₁₀ Impact (µg/m³) for each plant is calculated by multiplying the Daily Production (tons) by the matching Ambient Impact Factor.

Note 2: Background PM₁₀ Level (µg/m³) is from Haul Roads and Stockpiles.

Note 3: The TOTAL PM₁₀ Level (µg/m3) is calculated by summing the Daily PM₁₀ Ambient Impact(s) and the Background PM₁₀ Level. A TOTAL PM₁₀ Level of less than 150 µg/m3 in any 24-hour period indicates compliance.

**Attachment B-2: Monthly Nitrogen Oxides (NOx) Emissions Tracking Record (Barnard Quarry)
Norris Aggregates Product Company, PORT-0512 – Generic Rock-Crushing Plant**

Project Number: 2006-03-052
County, CSTR: Nodaway County (S9, T62, R35W)
Primary Unit Size: 250 tph
Distance to Nearest Property Boundary: 500 feet

This sheet covers the period from _____ to _____ (Month, Day, Year)
(Copy this sheet as needed.)

[illegible]

Note 1: The Monthly Emissions (lbs) are calculated by multiplying the Monthly Production (tons) by the Composite Emission Factor (lbs/ton).

Note 2: The Monthly Emissions (tons) are calculated by dividing the Monthly Emissions (lbs) by 2,000.

Note 3: The 12-Month Emissions (tons/year) are a rolling total calculated by adding the Month's Emissions (tons) to the Monthly Emissions (tons) of the previous eleven (11) months. A total of less than **40** tons in any consecutive 12-month period indicates compliance.

**Attachment C-1: Daily Ambient PM₁₀ Impact Tracking Record (Gooden Quarry #327)
Norris Aggregates Product Company, PORT-0512 – Generic Rock-Crushing Plant**

Project Number: 2006-03-052
County, CSTR: Nodaway County (S31, T65N, R33W)
Primary Unit Size: 250 tph
Distance to Nearest Property Boundary: 500 feet

This sheet covers the period from _____ to _____ (Month, Day, Year) (Copy this sheet as needed.)

[illegible]

Note 1: The Daily PM₁₀ Impact (µg/m³) for each plant is calculated by multiplying the Daily Production (tons) by the matching Ambient Impact Factor.

Note 2: Background PM₁₀ Level (µg/m³) is from Haul Roads and Stockpiles.

Note 3: The TOTAL PM₁₀ Level (µg/m3) is calculated by summing the Daily PM₁₀ Ambient Impact(s) and the Background PM₁₀ Level. A TOTAL PM₁₀ Level of less than 150 µg/m3 in any 24-hour period indicates compliance.

**Attachment C-2: Monthly Nitrogen Oxides (NOx) Emissions Tracking Record (Gooden Quarry #327)
Norris Aggregates Product Company, PORT-0512 – Generic Rock-Crushing Plant**

Project Number: 2006-03-052
County, CSTR: Nodaway County (S31, T65N, R33W)
Primary Unit Size: 250 tph
Distance to Nearest Property Boundary: 500 feet

This sheet covers the period from _____ to _____ (Month, Day, Year)
(Copy this sheet as needed.)

[illegible]

Note 1: The Monthly Emissions (lbs) are calculated by multiplying the Monthly Production (tons) by the Composite Emission Factor (lbs/ton).

Note 2: The Monthly Emissions (tons) are calculated by dividing the Monthly Emissions (lbs) by 2,000.

Note 3: The 12-Month Emissions (tons/year) are a rolling total calculated by adding the Month's Emissions (tons) to the Monthly Emissions (tons) of the previous eleven (11) months. A total of less than **40** tons in any consecutive 12-month period indicates compliance.

**Attachment D-1: Daily Ambient PM₁₀ Impact Tracking Record (Jeffries Quarry #154)
Norris Aggregates Product Company, PORT-0512 – Generic Rock-Crushing Plant**

Project Number: 2006-03-052
County, CSTR: HarrisonCounty (S3, T66N, R26N)
Primary Unit Size: 250 tph
Distance to Nearest Property Boundary: 500 feet

This sheet covers the period from _____ to _____ (Month, Day, Year) (Copy this sheet as needed.)

[illegible]

Note 1: The Daily PM₁₀ Impact (µg/m³) for each plant is calculated by multiplying the Daily Production (tons) by the matching Ambient Impact Factor.

Note 2: Background PM₁₀ Level (µg/m³) is from Haul Roads and Stockpiles.

Note 3: The TOTAL PM₁₀ Level (µg/m3) is calculated by summing the Daily PM₁₀ Ambient Impact(s) and the Background PM₁₀ Level. A TOTAL PM₁₀ Level of less than 150 µg/m3 in any 24-hour period indicates compliance.

**Attachment D-2: Monthly Nitrogen Oxides (NOx) Emissions Tracking Record (Jeffries Quarry #154)
Norris Aggregates Product Company, PORT-0512 – Generic Rock-Crushing Plant**

Project Number: 2006-03-052
County, CSTR: Harrison County (S3, T66N, R26W)
Primary Unit Size: 250 tph
Distance to Nearest Property Boundary: 500 feet

This sheet covers the period from _____ to _____ (Month, Day, Year)
(Copy this sheet as needed.)

[illegible]

Note 1: The Monthly Emissions (lbs) are calculated by multiplying the Monthly Production (tons) by the Composite Emission Factor (lbs/ton).

Note 2: The Monthly Emissions (tons) are calculated by dividing the Monthly Emissions (lbs) by 2,000.

Note 3: The 12-Month Emissions (tons/year) are a rolling total calculated by adding the Month's Emissions (tons) to the Monthly Emissions (tons) of the previous eleven (11) months. A total of less than **40** tons in any consecutive 12-month period indicates compliance.

**Attachment E-1: Daily Ambient PM₁₀ Impact Tracking Record (Maitland Quarry #531)
Norris Aggregates Product Company, PORT-0512 – Generic Rock-Crushing Plant**

Project Number: 2006-03-052
County, CSTR: Holt County (S34, T62N, R37W)
Primary Unit Size: 250 tph
Distance to Nearest Property Boundary: 500 feet

This sheet covers the period from _____ to _____ (Month, Day, Year) (Copy this sheet as needed.)

[illegible]

Note 1: The Daily PM₁₀ Impact (µg/m³) for each plant is calculated by multiplying the Daily Production (tons) by the matching Ambient Impact Factor.

Note 2: Background PM₁₀ Level (µg/m³) is from Haul Roads and Stockpiles.

Note 3: The TOTAL PM₁₀ Level (µg/m3) is calculated by summing the Daily PM₁₀ Ambient Impact(s) and the Background PM₁₀ Level. A TOTAL PM₁₀ Level of less than 150 µg/m3 in any 24-hour period indicates compliance.

**Attachment E-2: Monthly PM₁₀ Emissions Tracking Record (Maitland Quarry #531)
Norris Aggregates Product Company, PORT-0512 – Generic Rock-Crushing Plant**

Project Number: 2006-03-052
County, CSTR: Holt County (S34, T62N, R37W)
Primary Unit Size: 250 tph
Distance to Nearest Property Boundary: 500 feet

This sheet covers the period from _____ to _____ (Month, Day, Year)
(Copy this sheet as needed.)

[illegible]

Note 1: The Monthly Emissions (lbs) are calculated by multiplying the Monthly Production (tons) by the Composite Emission Factor (lbs/ton).

Note 2: The Monthly Emissions (tons) are calculated by dividing the Monthly Emissions (lbs) by 2,000.

Note 3: The 12-Month Emissions (tons/year) are a rolling total calculated by adding the Month's Emissions (tons) to the Monthly Emissions (tons) of the previous eleven (11) months. A total of less than **50** tons in any consecutive 12-month period indicates compliance.

**Attachment E-3: Monthly Nitrogen Oxides (NOx) Emissions Tracking Record (Maitland Quarry #531)
Norris Aggregates Product Company, PORT-0512 – Generic Rock-Crushing Plant**

Project Number: 2006-03-052
County, CSTR: Holt County (S34, T62N, R37W)
Primary Unit Size: 250 tph
Distance to Nearest Property Boundary: 500 feet

This sheet covers the period from _____ to _____ (Month, Day, Year)
(Copy this sheet as needed.)

[illegible]

Note 1: The Monthly Emissions (lbs) are calculated by multiplying the Monthly Production (tons) by the Composite Emission Factor (lbs/ton).
 Note 2: The Monthly Emissions (tons) are calculated by dividing the Monthly Emissions (lbs) by 2,000.
 Note 3: The 12-Month Emissions (tons/year) are a rolling total calculated by adding the Month's Emissions (tons) to the Monthly Emissions (tons) of the previous eleven (11) months. A total of less than **40** tons in any consecutive 12-month period indicates compliance.

**Attachment F-1: Daily Ambient PM₁₀ Impact Tracking Record (Mercer Quarry #151)
Norris Aggregates Product Company, PORT-0512 – Generic Rock-Crushing Plant**

Project Number: 2006-03-052
County, CSTR: Mercer County (S22, T66N, R23W)
Primary Unit Size: 250 tph
Distance to Nearest Property Boundary: 500 feet

This sheet covers the period from _____ to _____ (Month, Day, Year) (Copy this sheet as needed.)

[illegible]

Note 1: The Daily PM₁₀ Impact (µg/m³) for each plant is calculated by multiplying the Daily Production (tons) by the matching Ambient Impact Factor.

Note 2: Background PM₁₀ Level (µg/m³) is from Haul Roads and Stockpiles.

Note 3: The TOTAL PM₁₀ Level (µg/m3) is calculated by summing the Daily PM₁₀ Ambient Impact(s) and the Background PM₁₀ Level. A TOTAL PM₁₀ Level of less than 150 µg/m3 in any 24-hour period indicates compliance.

**Attachment F-2: Monthly Nitrogen Oxides (NOx) Emissions Tracking Record (Mercer Quarry #151)
Norris Aggregates Product Company, PORT-0512 – Generic Rock-Crushing Plant**

Project Number: 2006-03-052
County, CSTR: Mercer County (S22, T66N, R23W)
Primary Unit Size: 250 tph
Distance to Nearest Property Boundary: 500 feet

This sheet covers the period from _____ to _____ (Month, Day, Year)
(Copy this sheet as needed.)

[illegible]

Note 1: The Monthly Emissions (lbs) are calculated by multiplying the Monthly Production (tons) by the Composite Emission Factor (lbs/ton).

Note 2: The Monthly Emissions (tons) are calculated by dividing the Monthly Emissions (lbs) by 2,000.

Note 3: The 12-Month Emissions (tons/year) are a rolling total calculated by adding the Month's Emissions (tons) to the Monthly Emissions (tons) of the previous eleven (11) months. A total of less than **40** tons in any consecutive 12-month period indicates compliance.

Project Number: 2006-03-052
County, CSTR: Harrison County (S1, T63N, R28W)
Primary Unit Size: 250 tph
Distance to Nearest Property Boundary: 500 feet

[illegible]

Note 3: The TOTAL PM₁₀ Level (µg/m3) is calculated by summing the Daily PM₁₀ Ambient Impact(s) and the Background PM₁₀ Level. A TOTAL PM₁₀ Level of less than 150 µg/m3 in any 24-hour period indicates compliance.

Attachment G-2: Monthly Nitrogen Oxides (NOx) Emissions Tracking Record (N. Bethany Quarry #166)
Norris Aggregates Product Company, PORT-0512 – Generic Rock-Crushing Plant

Project Number: 2006-03-052
County, CSTR: Harrison County (S1, T63N, R28W)
Primary Unit Size: 250 tph
Distance to Nearest Property Boundary: 500 feet

This sheet covers the period from _____ to _____ (Month, Day, Year)
(Copy this sheet as needed.)

[illegible]

Note 1: The Monthly Emissions (lbs) are calculated by multiplying the Monthly Production (tons) by the Composite Emission Factor (lbs/ton).

Note 2: The Monthly Emissions (tons) are calculated by dividing the Monthly Emissions (lbs) by 2,000.

Note 3: The 12-Month Emissions (tons/year) are a rolling total calculated by adding the Month's Emissions (tons) to the Monthly Emissions (tons) of the previous eleven (11) months. A total of less than **40** tons in any consecutive 12-month period indicates compliance.

**Attachment H-1: Daily Ambient PM₁₀ Impact Tracking Record (N. Gallatin Quarry #165)
Norris Aggregates Product Company, PORT-0512 – Generic Rock-Crushing Plant**

Project Number: 2006-03-052
 County, CSTR: Daviess County (S33, T60N, R27W)
 Primary Unit Size: 250 tph
 Distance to Nearest Property Boundary: 500 feet

This sheet covers the period from _____ to _____ (Month, Day, Year) *(Copy this sheet as needed.)*

Date	Norris Aggregates Product Company PORT-0512 Project # 2006-03-052			² Back-ground PM ₁₀ Level (µg/m ³)	³ TOTAL PM ₁₀ Level (µg/m ³)
	Daily Production (tons)	Ambient Impact Factor (µg/m ³ /ton)	¹ Daily PM ₁₀ Impact (µg/m ³)		
		0.0349		20.00	
		0.0349		20.00	
		0.0349		20.00	
		0.0349		20.00	
		0.0349		20.00	
		0.0349		20.00	
		0.0349		20.00	
		0.0349		20.00	
		0.0349		20.00	
		0.0349		20.00	
		0.0349		20.00	
		0.0349		20.00	
		0.0349		20.00	
		0.0349		20.00	
		0.0349		20.00	
		0.0349		20.00	
		0.0349		20.00	
		0.0349		20.00	
		0.0349		20.00	
		0.0349		20.00	
		0.0349		20.00	

- Note 1: The Daily PM₁₀ Impact (µg/m³) for each plant is calculated by multiplying the Daily Production (tons) by the matching Ambient Impact Factor.
- Note 2: Background PM₁₀ Level (µg/m³) is from Haul Roads and Stockpiles.
- Note 3: The TOTAL PM₁₀ Level (µg/m³) is calculated by summing the Daily PM₁₀ Ambient Impact(s) and the Background PM₁₀ Level. A TOTAL PM₁₀ Level of less than 150 µg/m³ in any 24-hour period indicates compliance.

**Attachment H-2: Monthly Nitrogen Oxides (NOx) Emissions Tracking Record (N. Gallatin Quarry #165)
Norris Aggregates Product Company, PORT-0512 – Generic Rock-Crushing Plant**

Project Number: 2006-03-052
County, CSTR: Daviess County (S33, T60N, R27W)
Primary Unit Size: 250 tph
Distance to Nearest Property Boundary: 500 feet

This sheet covers the period from _____ to _____ (Month, Day, Year)
(Copy this sheet as needed.)

[illegible]

Note 1: The Monthly Emissions (lbs) are calculated by multiplying the Monthly Production (tons) by the Composite Emission Factor (lbs/ton).

Note 2: The Monthly Emissions (tons) are calculated by dividing the Monthly Emissions (lbs) by 2,000.

Note 3: The 12-Month Emissions (tons/year) are a rolling total calculated by adding the Month's Emissions (tons) to the Monthly Emissions (tons) of the previous eleven (11) months. A total of less than **40** tons in any consecutive 12-month period indicates compliance.

**Attachment I-1: Daily Ambient PM₁₀ Impact Tracking Record (New Point Quarry)
Norris Aggregates Product Company, PORT-0512 – Generic Rock-Crushing Plant**

Project Number: 2006-03-052
County, CSTR: Holt County (S27/28, T61N, R37W)
Primary Unit Size: 250 tph
Distance to Nearest Property Boundary: 500 feet

This sheet covers the period from _____ to _____ (Month, Day, Year) (Copy this sheet as needed.)

[illegible]

Note 1: The Daily PM₁₀ Impact (µg/m³) for each plant is calculated by multiplying the Daily Production (tons) by the matching Ambient Impact Factor.

Note 2: Background PM₁₀ Level (µg/m³) is from Haul Roads and Stockpiles.

Note 3: The TOTAL PM₁₀ Level (µg/m3) is calculated by summing the Daily PM₁₀ Ambient Impact(s) and the Background PM₁₀ Level. A TOTAL PM₁₀ Level of less than 150 µg/m3 in any 24-hour period indicates compliance.

**Attachment I-2: Monthly Nitrogen Oxides (NOx) Emissions Tracking Record (New Point Quarry)
Norris Aggregates Product Company, PORT-0512 – Generic Rock-Crushing Plant**

Project Number: 2006-03-052
County, CSTR: Holt County (S27/28, T61N, R37W)
Primary Unit Size: 250 tph
Distance to Nearest Property Boundary: 500 feet

This sheet covers the period from _____ to _____ (Month, Day, Year)
(Copy this sheet as needed.)

[illegible]

Note 1: The Monthly Emissions (lbs) are calculated by multiplying the Monthly Production (tons) by the Composite Emission Factor (lbs/ton).

Note 2: The Monthly Emissions (tons) are calculated by dividing the Monthly Emissions (lbs) by 2,000.

Note 3: The 12-Month Emissions (tons/year) are a rolling total calculated by adding the Month's Emissions (tons) to the Monthly Emissions (tons) of the previous eleven (11) months. A total of less than **40** tons in any consecutive 12-month period indicates compliance.

**Attachment J-1: Daily Ambient PM₁₀ Impact Tracking Record (Princeton Quarry #161)
Norris Aggregates Product Company, PORT-0512 – Generic Rock-Crushing Plant**

Project Number: 2006-03-052
County, CSTR: Mercer County (S3/34, T64/65N, R24W)
Primary Unit Size: 250 tph
Distance to Nearest Property Boundary: 500 feet

This sheet covers the period from _____ to _____ (Month, Day, Year) (Copy this sheet as needed.)

[illegible]

Note 1: The Daily PM₁₀ Impact (µg/m³) for each plant is calculated by multiplying the Daily Production (tons) by the matching Ambient Impact Factor.

Note 2: Background PM₁₀ Level (µg/m³) is from Haul Roads and Stockpiles.

Note 3: The TOTAL PM₁₀ Level (µg/m3) is calculated by summing the Daily PM₁₀ Ambient Impact(s) and the Background PM₁₀ Level. A TOTAL PM₁₀ Level of less than 150 µg/m3 in any 24-hour period indicates compliance.

**Attachment J-2: Monthly Nitrogen Oxides (NOx) Emissions Tracking Record (Princeton Quarry #161)
Norris Aggregates Product Company, PORT-0512 – Generic Rock-Crushing Plant**

Project Number: 2006-03-052
County, CSTR: Mercer County (S3/34, T64/65N, R24W)
Primary Unit Size: 250 tph
Distance to Nearest Property Boundary: 500 feet

This sheet covers the period from _____ to _____ (Month, Day, Year)
(Copy this sheet as needed.)

[illegible]

Note 1: The Monthly Emissions (lbs) are calculated by multiplying the Monthly Production (tons) by the Composite Emission Factor (lbs/ton).

Note 2: The Monthly Emissions (tons) are calculated by dividing the Monthly Emissions (lbs) by 2,000.

Note 3: The 12-Month Emissions (tons/year) are a rolling total calculated by adding the Month's Emissions (tons) to the Monthly Emissions (tons) of the previous eleven (11) months. A total of less than **40** tons in any consecutive 12-month period indicates compliance.

**Attachment K-1: Daily Ambient PM₁₀ Impact Tracking Record (Route C Quarry #171)
Norris Aggregates Product Company, PORT-0512 – Generic Rock-Crushing Plant**

Project Number: 2006-03-052
County, CSTR: Daviess County (S30, T61N, R28W)
Primary Unit Size: 250 tph
Distance to Nearest Property Boundary: 500 feet

This sheet covers the period from _____ to _____ (Month, Day, Year) (Copy this sheet as needed.)

[illegible]

Note 1: The Daily PM₁₀ Impact (µg/m³) for each plant is calculated by multiplying the Daily Production (tons) by the matching Ambient Impact Factor.

Note 2: Background PM₁₀ Level (µg/m³) is from Haul Roads and Stockpiles.

Note 3: The TOTAL PM₁₀ Level (µg/m3) is calculated by summing the Daily PM₁₀ Ambient Impact(s) and the Background PM₁₀ Level. A TOTAL PM₁₀ Level of less than 150 µg/m3 in any 24-hour period indicates compliance.

**Attachment K-2: Monthly Nitrogen Oxides (NOx) Emissions Tracking Record (Route C Quarry)
Norris Aggregates Product Company, PORT-0512 – Generic Rock-Crushing Plant**

Project Number: 2006-03-052
County, CSTR: Daviess County (S30, T61N, R28W)
Primary Unit Size: 250 tph
Distance to Nearest Property Boundary: 500 feet

This sheet covers the period from _____ to _____ (Month, Day, Year)
(Copy this sheet as needed.)

[illegible]

Note 1: The Monthly Emissions (lbs) are calculated by multiplying the Monthly Production (tons) by the Composite Emission Factor (lbs/ton).

Note 2: The Monthly Emissions (tons) are calculated by dividing the Monthly Emissions (lbs) by 2,000.

Note 3: The 12-Month Emissions (tons/year) are a rolling total calculated by adding the Month's Emissions (tons) to the Monthly Emissions (tons) of the previous eleven (11) months. A total of less than **40** tons in any consecutive 12-month period indicates compliance.

**Attachment L-1: Daily Ambient PM₁₀ Impact Tracking Record (Trenton Quarry #530)
Norris Aggregates Product Company, PORT-0512 – Generic Rock-Crushing Plant**

Project Number: 2006-03-052
County, CSTR: Grundy County (S24, T61N, R25W)
Primary Unit Size: 250 tph
Distance to Nearest Property Boundary: 500 feet

This sheet covers the period from _____ to _____ (Month, Day, Year) (Copy this sheet as needed.)

[illegible]

Note 1: The Daily PM₁₀ Impact (µg/m³) for each plant is calculated by multiplying the Daily Production (tons) by the matching Ambient Impact Factor.

Note 2: Background PM₁₀ Level (µg/m³) is from Haul Roads and Stockpiles.

Note 3: The TOTAL PM₁₀ Level (µg/m3) is calculated by summing the Daily PM₁₀ Ambient Impact(s) and the Background PM₁₀ Level. A TOTAL PM₁₀ Level of less than 150 µg/m3 in any 24-hour period indicates compliance.

**Attachment L-2: Monthly Nitrogen Oxides (NOx) Emissions Tracking Record (Trenton Quarry #530)
Norris Aggregates Product Company, PORT-0512 – Generic Rock-Crushing Plant**

Project Number: 2006-03-052
County, CSTR: Grundy County (S24, T61N, R25W)
Primary Unit Size: 250 tph
Distance to Nearest Property Boundary: 500 feet

This sheet covers the period from _____ to _____ (Month, Day, Year)
(Copy this sheet as needed.)

[illegible]

Note 1: The Monthly Emissions (lbs) are calculated by multiplying the Monthly Production (tons) by the Composite Emission Factor (lbs/ton).

Note 2: The Monthly Emissions (tons) are calculated by dividing the Monthly Emissions (lbs) by 2,000.

Note 3: The 12-Month Emissions (tons/year) are a rolling total calculated by adding the Month's Emissions (tons) to the Monthly Emissions (tons) of the previous eleven (11) months. A total of less than **40** tons in any consecutive 12-month period indicates compliance.

Attachment AA: Best Management Practices (BMPs)- Construction Industry Fugitive Emissions

Construction Industry Sites covered by the Interim Relief Policy shall maintain Best Management Control Practices (BMPs) for fugitive emission areas at their installations when in operation. Options for BMPs are at least one of the following:

For Haul Roads:

1. Pavement of Road Surfaces –
 - A. The operator(s) may pave all or any portion of the haul roads with materials such as asphalt, concrete, and/or other material(s) after receiving approval from the program. The pavement will be applied in accordance with industry standards for such pavement so as to achieve “Control of Fugitive Emissions¹” while the plant is operating.
 - B. Maintenance and/or repair of the road surface will be conducted as necessary to ensure that the physical integrity of the pavement is adequate to achieve control of fugitive emissions from these areas while the plant is operating.
 - C. The operator(s) shall periodically water, wash and/or otherwise clean all of the paved portions of the haul road(s) as necessary to achieve control of fugitive emissions from these areas while the plant is operating.
2. Usage of Chemical Dust Suppressants –
 - A. The operator(s) shall apply a chemical dust suppressant (such as magnesium chloride, calcium chloride, lignosulfonates, etc.) to all the unpaved portions of the haul roads. The suppressant will be applied in accordance with the manufacturer’s suggested application rate (if available) and re-applied as necessary to achieve control of fugitive emissions from these areas while the plant is operating.
 - B. The quantities of the chemical dust suppressant shall be applied, re-applied and/or maintained sufficient to achieve control of fugitive emissions from these areas while the plant is operating.
 - C. The operator(s) shall record the time, date and the amount of material applied for each application of the chemical dust suppressant agent on the above areas. The operator(s) shall keep these records with the plant for not less than five (5) years, and the operator(s) shall make these records available to Department of Natural Resources personnel upon request.
3. Usage of Documented Watering –
 - A. The operator(s) shall control the fugitive emissions from all the unpaved portions of the haul roads at the installation by consistently and correctly using the application of a water spray. Documented watering will be applied in accordance with a recommended application rate of 100 gallons per day per 1,000 square feet of unpaved/untreated surface area of haul roads as necessary to achieve control of fugitive emissions from these areas while the plant is operating. For example, the operator(s) shall calculate the total square feet of unpaved vehicle activity area requiring control on any particular day, divide that product by 1,000, and multiply the quotient by 100 gallons for that day.
 - B. The operator(s) shall maintain a log that documents daily water applications. This log shall include, but is not limited to, date and volumes (e.g., number of tanker applications and/or total gallons used) of water application. The log shall also record rationale for not applying water on day(s) the plant is in operation (e.g., meteorological situations, precipitation events, freezing, etc.)
 - C. Meteorological precipitation of any kind, (e.g. a quarter inch or more rainfall, sleet, snow, and/or freeze thaw conditions) which is sufficient in the amount or condition to achieve control of fugitive emissions from these areas while the plant is operating.
 - D. Watering may also be suspended when the ground is frozen, during periods of freezing conditions when watering would be inadvisable for traffic safety reasons, or when there will be no traffic on the roads. The operator(s) shall record a brief description of such events in the same log as the documented watering.
 - E. The operator(s) shall record the date and the amount of water applied for each application on the above areas. The operator(s) shall keep these records with the plant for not less than five (5) years, and the operator(s) shall make these records available to Department of Natural Resources personnel upon request.

¹ For purposes of this document, Control of Fugitive Emissions means to control particulate matter that is not collected by a capture system and visible emissions to the extent necessary to prevent violations of the air pollution law or regulation. (Note: control of visible emission is not the only factor to consider in protection of ambient air quality.)

For Vehicle Activity Areas around Open Storage Piles:

1. Pavement of Stockpile Vehicle Activity Surfaces –
 - A. The operator(s) may pave all or any portion of the vehicle activity areas around the storage piles with materials such as asphalt, concrete, and/or other material(s) after receiving approval from the program. The pavement will be applied in accordance with industry standards for such pavement so as to achieve control of fugitive emissions while the plant is operating.
 - B. Maintenance and/or repair of the road surface will be conducted as necessary to ensure that the physical integrity of the pavement is adequate to achieve control of fugitive emissions from these areas while the plant is operating.
 - C. The operator(s) shall periodically water, wash and/or otherwise clean all of the paved portions of the vehicle activity areas around the storage piles as necessary to achieve control of fugitive emissions from these areas while the plant is operating.
2. Usage of Chemical Dust Suppressants –
 - A. The operator(s) shall apply a chemical dust suppressant (such as magnesium chloride, calcium chloride, lignosulfonates, etc.) to all the vehicle activity areas around the open storage piles. The suppressant will be applied in accordance with the manufacturer's suggested application rate (if available) and re-applied as necessary to achieve control of fugitive emissions from these areas while the plant is operating.
 - B. The quantities of the chemical dust suppressant shall be applied, re-applied and/or maintained sufficient to achieve control of fugitive emissions from these areas while the plant is operating.
 - C. The operator(s) shall record the time, date and the amount of material applied for each application of the chemical dust suppressant agent on the above areas. The operator(s) shall keep these records with the plant for not less than five (5) years, and the operator(s) shall make these records available to Department of Natural Resources personnel upon request.
3. Usage of Documented Watering –
 - A. The operator(s) shall control the fugitive emissions from all the vehicle activity areas around the storage piles at the installation by consistently and correctly using the application of a water spray. Documented watering will be applied in accordance with a recommended application rate of 100 gallons per day per 1,000 square feet of unpaved/untreated surface area of vehicle activity areas around the storage piles as necessary to achieve control of fugitive emissions from these areas while the plant is operating. (Refer to example for documented watering of haul roads.)
 - B. The operator(s) shall maintain a log that documents daily water applications. This log shall include, but is not limited to, date and volumes (e.g., number of tanker applications and/or total gallons used) of water application. The log shall also record rationale for not applying water on day(s) the plant is in operations (e.g., meteorological situations, precipitation events, freezing, etc.)
 - C. Meteorological precipitation of any kind, (e.g. a quarter inch or more rainfall, sleet, snow, and/or freeze thaw conditions) which is sufficient in the amount or condition to achieve control of fugitive emissions from these areas while the plant is operating.
 - D. Watering may also be suspended when the ground is frozen, during periods of freezing conditions when watering would be inadvisable for traffic safety reasons, or when there will be no traffic on the roads. The operator(s) shall record a brief description of such events in the same log as the documented watering.
 - E. The operator(s) shall record the date and the amount of water applied for each application on the above areas. The operator(s) shall keep these records with the plant for not less than five (5) years, and the operator(s) shall make these records available to Department of Natural Resources personnel upon request.

Mr. Jackie Sisk
Production Manager
Norris Asphalt Paving Co.
P. O. Box 695
Ottumwa, IA 52501

RE: New Source Review Permit - Project Number: 2006-03-052

Dear Mr. Sisk:

Enclosed with this letter is your New Source Review permit. Please review your permit carefully and note the special conditions, if any, and the requirements in your permit.

Operation in accordance with the conditions and requirements in your permit and the New Source Review application submitted for project 2006-03-052 is necessary for continued compliance. The section of the permit entitled "Technical Review of Application for Authority to Construct" should not be separated from the main portion of your permit. The entire permit must be retained in your files. The reverse side of your permit certificate has important information concerning standard permit conditions and your rights and obligations under the laws and regulations of the State of Missouri.

If you have any questions regarding this permit, please do not hesitate to contact me at (573) 751-4817, or you may write to me at the Department of Natural Resources, Air Pollution Control Program, P.O. Box 176, Jefferson City, Missouri 65102. Thank you for your attention to this matter.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

Kendall Hale, P.E.
New Source Review Unit Chief

KH: cwy l

Enclosures

c: Kansas City Regional Office
PAMS File 2006-03-052

Permit Number: